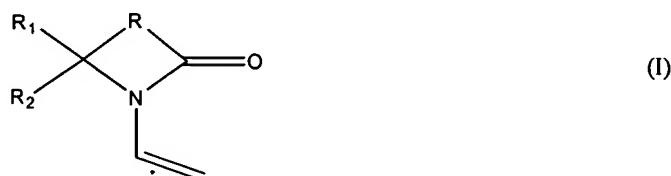


CLAIM AMENDMENTS

Please cancel claims 1 and 31-34 without prejudice to filing a continuation application containing the same.

Please amend claims 1 and 2 and add claims 31-34 as follows:

1. (Canceled)
2. (Previously presented) A medical device, comprising a core material and a biocompatible LbL coating non-covalently attached to said core material, wherein said biocompatible LbL coating comprises at least one charge/non-charge bilayer, wherein said charge/non-charge bilayer is composed of, in no particular order, one layer of a charged polymeric material and one layer of a non-charged polymeric material which is capable of being non-covalently bond to the charged polymeric material, wherein said charged polymeric material is a first polyanionic polymer or a mixture of two or more polyanionic polymers, and wherein said non-charged material is a homopolymer of a vinyl lactam of formula (I), a copolymer of at least one vinyl lactam of formula (I) in the presence or in the absence of one or more hydrophilic vinylic comonomers, or mixture thereof



wherein

R is an alkylene di-radical having from 2 to 8 carbon atoms,

R₁ is hydrogen, C₁-C₁₀ alkyl, aryl having up to 10 carbon atoms, aralkyl or alkaryl having up to 14 carbon atoms, and

R₂ is hydrogen or C₁-C₁₀ alkyl.

3. (Original) A medical device of claim 2, wherein said medical device is an ophthalmic device.
4. (Original) A medical device of claim 3, wherein said ophthalmic device is a contact lens.
5. (Original) A medical device of claim 3, wherein R is a C₂-C₄ alkylene di-radical, and wherein R₁ and R₂ are each independently of the other hydrogen or C₁-C₇ alkyl.
6. (Original) A medical device of claim 3, wherein said non-charged material is a homopolymer of N-vinyl-2-pyrrolidone, N-vinyl-2-piperidone, N-vinyl-2-caprolactam, N-vinyl-3-methyl-2-pyrrolidone, N-vinyl-3-methyl-2-piperidone, N-vinyl-3-methyl-2-caprolactam, N-vinyl-4-methyl-2-pyrrolidone, N-vinyl-4-methyl-2-caprolactam, N-vinyl-5-

methyl-2-pyrrolidone, N-vinyl-5-methyl-2-piperidone, N-vinyl-5,5-dimethyl-2-pyrrolidone, N-vinyl-3,3,5-trimethyl-2-pyrrolidone, N-vinyl-5-methyl-5-ethyl-2-pyrrolidone, N-vinyl-3,4,5-trimethyl-3-ethyl-2-pyrrolidone, N-vinyl-6-methyl-2-piperidone, N-vinyl-6-ethyl-2-piperidone, N-vinyl-3,5-dimethyl-2-piperidone, N-vinyl-4,4-dimethyl-2-piperidone, N-vinyl-7-methyl-2-caprolactam, N-vinyl-7-ethyl-2-caprolactam, N-vinyl-3,5-dimethyl-2-caprolactam, N-vinyl-4,6-dimethyl-2-caprolactam or N-vinyl-3,5,7-trimethyl-2-caprolactam.

7. (Original) A medical device of claim 6, wherein said non-charged material is a copolymer of two or more of N-vinyl-2-pyrrolidone, N-vinyl-2-piperidone, N-vinyl-2-caprolactam, N-vinyl-3-methyl-2-pyrrolidone, N-vinyl-3-methyl-2-piperidone, N-vinyl-3-methyl-2-caprolactam, N-vinyl-4-methyl-2-pyrrolidone, N-vinyl-4-methyl-2-caprolactam, N-vinyl-5-methyl-2-pyrrolidone, N-vinyl-5-methyl-2-piperidone, N-vinyl-5,5-dimethyl-2-pyrrolidone, N-vinyl-3,3,5-trimethyl-2-pyrrolidone, N-vinyl-5-methyl-5-ethyl-2-pyrrolidone, N-vinyl-3,4,5-trimethyl-3-ethyl-2-pyrrolidone, N-vinyl-6-methyl-2-piperidone, N-vinyl-6-ethyl-2-piperidone, N-vinyl-3,5-dimethyl-2-piperidone, N-vinyl-4,4-dimethyl-2-piperidone, N-vinyl-7-methyl-2-caprolactam, N-vinyl-7-ethyl-2-caprolactam, N-vinyl-3,5-dimethyl-2-caprolactam, N-vinyl-4,6-dimethyl-2-caprolactam and N-vinyl-3,5,7-trimethyl-2-caprolactam.
8. (Original) A medical device of claim 3, wherein said first polyanionic polymer is a copolymerization product of acrylic acid, methacrylic acid, or mixture thereof with acrylamide, N,N-dimethyl acrylamide, N-vinyl-2-pyrrolidone, N-vinyl-2-piperidone, N-vinyl-2-caprolactam, N-vinyl-3-methyl-2-pyrrolidone, N-vinyl-3-methyl-2-piperidone, N-vinyl-3-methyl-2-caprolactam, N-vinyl-4-methyl-2-pyrrolidone, N-vinyl-4-methyl-2-caprolactam, N-vinyl-5-methyl-2-pyrrolidone, N-vinyl-5-methyl-2-piperidone, N-vinyl-5,5-dimethyl-2-pyrrolidone, N-vinyl-3,3,5-trimethyl-2-pyrrolidone, N-vinyl-5-methyl-5-ethyl-2-pyrrolidone, N-vinyl-3,4,5-trimethyl-3-ethyl-2-pyrrolidone, N-vinyl-6-methyl-2-piperidone, N-vinyl-6-ethyl-2-piperidone, N-vinyl-3,5-dimethyl-2-piperidone, N-vinyl-4,4-dimethyl-2-piperidone, N-vinyl-7-methyl-2-caprolactam, N-vinyl-7-ethyl-2-caprolactam, N-vinyl-3,5-dimethyl-2-caprolactam, N-vinyl-4,6-dimethyl-2-caprolactam, N-vinyl-3,5,7-trimethyl-2-caprolactam, or mixtures thereof.
9. (Original) A medical device of claim 3, wherein said biocompatible LbL coating further comprises at least one layer of a polycationic polymer or of a mixtures of polycationic polymers.
10. (Original) A medical device of claim 3, wherein said biocompatible LbL coating comprises 2 to 20 charge/non-charge bilayers.
11. (Original) A medical device of claim 10, wherein said biocompatible LbL coating comprises 4 to 10 charge/non-charge bilayers.

12. (Original) A medical device of claim 3, wherein said biocompatible LbL coating further comprises at least one layer of second polyanionic polymer.
13. (Original) A contact lens of claim 4, wherein said core material is a hydrogel.
14. (Original) A contact lens of claim 13, wherein said hydrogel is a siloxane-containing polymer.
- 15-34. (Canceled)